

PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference

PCT-2501

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2005/000120

International filing date (day/month/year)

07.01.2005

Priority date (day/month/year)

07.01.2004

International Patent Classification (IPC) or both national classification and IPC

Applicant

JISOUKEN CO., LTD.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/000120

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
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4. Additional comments:

WRITTEN OPINION OF THE
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International application No.

PCT/JP2005/000120

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims	1-20	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO
2. Citations and explanations:			
<p>Document 1: JP 4-71257 A (Hitachi Ltd), 05 March 1992, page 3, upper right box, line 5 to bottom right box, line 13, Fig. 1, Fig. 2</p> <p>Document 2: JP 6-275746 A (Hitachi Ltd), 30 September 1994, paragraphs 0014-0024, Figs. 1-12</p> <p>Document 3: JP 11-54676 A (Ebara Densen Co Ltd), 26 February 1999, paragraphs 0011-0014, Figs. 1-4</p> <p>Document 4: JP 4-243153 A (Actronics Inc), 31 August 1992, paragraph 0013, Figs. 9-11</p> <p>Document 5: JP 4-206555 A (Hitachi Ltd), 28 July 1992, page 3, bottom left box, line 17 to page 4, bottom left box, line 20, Fig. 2</p> <p>Claims 1-20</p> <p>A fin composed of a coiled metallic wire provided to a heat sink, wherein adjacent ring units are joined in mutually alternating positions, and formed flattened is neither described in any of documents 1-5, nor is it obvious to a person skilled in the art.</p>			

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| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
| <input type="checkbox"/> | Box No. II | Priority |
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Name and mailing address of the ISA/JIP

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International application No. PCT/JP2005/000120
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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
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	Claims	_____	NO
Inventive step (IS)	Claims	1-20	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	1-20	YES
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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims	1-20	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

2. Citations and explanations:

Document 1: JP 4-71257 A (Hitachi Ltd), 05 March 1992, page 3, upper right box, line 5 to bottom right box, line 13, Fig. 1, Fig. 2
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 Document 5: JP 4-206555 A (Hitachi Ltd), 28 July 1992, page 3, bottom left box, line 17 to page 4, bottom left box, line 20, Fig. 2

Claims 1-20

A fin composed of a coiled metallic wire provided to a heat sink, wherein adjacent ring units are joined in mutually alternating positions, and formed flattened is neither described in any of documents 1-5, nor is it obvious to a person skilled in the art.